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APPENDIX A

Anshan Iron and Steel Company

25X1

1. Coke Facilities

Capacity remaining after Soviet removals - 4,050 tons/day

Capacity added by rebuilding since 1949 - 2,950 tons/day

Total daily capacity - 7,000 tons

Annual capacity - $700 \times 300 = 2,100,000$ tons at the end of 1954.

2. Pig Iron

a. Capacity

Six blast furnaces with a daily capacity of 4550 MT or annual capacity of approximately 1,600,000 tons at the end of 1954.

Scheduled for completion in 1955 is Blast Furnace No. 5 which should add 325,000 to 350,000 tons to annual capacity.

b. 1954 Production

Pig production is estimated and reported to have been 1,500,000 tons.

3. Crude Steel

a. Capacity

(1) Open-Hearth Shop No. 1

4 furnaces of 150-ton capacity

2 furnaces of 210-ton capacity

3 furnaces of 235-ton capacity *

* These 3 furnaces are mixers which were converted to open-hearth furnaces in October 1952 and early 1953.

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~~S E C R E T~~(2) Open-Hearth Shop No. 2

This steelmaking facility has been under reconstruction for the past two years and is expected to begin operation sometime in 1956. Six furnaces of 200-ton capacity. * Capacity of these furnaces under the Japanese were 150-tons each, but it is expected that they will be rebuilt to 200 tons.

It is estimated that Shop No. 2 will add approximately 800,000 to 900,000 tons to Anshan's annual capacity currently rated at 122 million tons.

(3) Electric Furnaces

There are no indications that the electric furnaces which existed under the Japanese have been re-installed.

b. 1954 Production

(1) <u>Open-Hearth Shop No. 1</u>	<u>Daily Production</u>
4 furnaces @ 150 tons x 2 heats/day =	1200
2 furnaces @ 210 tons x 2 heats/day =	840
3 furnaces @ 235 tons x 2 heats/day =	<u>1140</u>
TOTAL	3450
3450 tons/day x 325 working days = ^{1,125,000} 1,125,000 tons production in 1954.	

b. Finished Steela. Capacity of Iron and Steel Rolling and Finishing Facilities(1) Blooming Mills

No. 1 - 24" Blooming Mill; capacity - 500,000 tons per year.
 No. 2 - Blooming Mill - now under construction and expected to be placed in operation in time to take care of ingots from No. 2 Open-Hearth Shop - 1956. Capacity - 1,000,000 tons per year.

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(2) Light Bar Mill

5 roughing and 5 finishing stands - capacity 100,000 per year.

(3) Medium Bar Mill

A 5 stand mill which rolls squares, rods, bars, angles and light rails.

Capacity - 150,000 tons per year.

(4) Heavy Structural and Rail Mill

Three 3-high stands capable of rolling directly from the ingot. 1954 production was 40,000 tons of railroad rails, 80,000 tons of seamless rounds, and 110,000 tons of heavy angles, beams and channels.

Capacity - 500,000 tons per year.

(5) Plate Mill

Capacity - 40,000 tons per year.

(6) Sheet Mills

Old Mill - Number of roughing and finishing stands are not known. Capacity - 45,000 tons per year.

New Sheet Mill - 1 roughing and 1 finishing stand. Began operations 20 July 1954 producing sheets and tinplate. Capacity - 180,000 tons per year.

(7) Seamless Tube Mill

Installed 31 October 1953, consisting of a piercer, 2 rolling mills, 1 sizing mill, cooling rock, 1 tester, and appropriate cut-off and threading equipment. Capacity - 80,000 tons per year.

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~~SECRET~~(8) Welded Tube Mill

1 welding mill - not continuous
 Capacity - 25,000 to 30,000 tons per year.

(9) Steel Cable Mill

10 wire drawing benches
 35 cable braiding machines

(10) Cast Iron Pipe Mill

4 cupolas
 Capacity - 38,500 tons per year.

b. Estimated 1954 Production of Finished Steel.

<u>Product</u>	<u>Metric Tons</u>
Light Rails	40,000
Heavy Sections	185,000
Medium Structural and Rails	150,000
Light Structural	100,000
Medium Plate	40,000
Sheets and Tinplate	120,000
Welded Tubes	30,000
Seamless Tubes	80,000
Wire Rope	15,000
Nails	30,000
Cast Iron Pipe	(35,000) a/
<u>TOTAL</u>	<u>790,000</u>

a. Not counted in total of finished steel production.

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